## INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/23793

A. CLASSIFICATION OF SUBJECT MATTER  IPC(6) :A47B 83/00  US CL : 108/50.02  According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
U.S. : 108/50.02, 50.01, 64; 312/223.6, 194, 195				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.	
A	US 4,639,049 A (FRASCAROLI E (27/01/87), see entire document.	ET AL) 27 January 1987	1-79N	
A	US 4,807,540 A (PRIESEMUTH) 28 Fe entire document.	ebruary 1989 (28/02/89), see	1-79	
A	US 4,762072 A(BOUNDY ET AL) 09 entire document.	August 1988 (09/08/88), see	1-79	
X	US 4,852,500 A (RYBURG ET AL) 01 entire document.	August 1989(01/08/89), see	1-11, 18-38, 64-79	
A	US 4,870,908 A (WOLTERS ET AL) see entire document.	03 October 1989 (03/10/89),	1-79	
A	US 5,037,164 A (WEISSENBACH (06/08/91), see entire document.	ET AL) 06 August 1991	1-79	
X Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents:  "T" later document published after the international filing date or pric date and not in conflict with the application but cited to unders				
	cument defining the general state of the art which is not considered be of particular relevance	the principle or theory underlying the		
"E" ear	"Y" document of particular relevance; the claimed invention cannot			
"L" document which may throw doubts on priority claim(s) or which is when the doc cited to establish the publication date of another citation or other				
*O* do	cument referring to an oral disclosure, use, exhibition or other	considered to involve an inventive combined with one or more other suc being obvious to a person skilled in	h documents, such combination	
	document published prior to the international filing date but later than '&' document member of the same patent family the priority date claimed		ıt famıly	
Date of the	Date of the actual completion of the international search  Date of mailing of the international search report			
15 FEBR	UARY 2000	06.03.2000		
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks  Authorized officer  Authorized officer			- Forke pe	
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	US 5,078,055 A (BELLINI ET AL) 07 January 1992 (07/01/92), see entire document.	1-79		
A	US 5,522,324 A (VAN GELDER ET AL) 04 June 1996 (04/06/96), see entire document.	1-79		
A	US 5,673,632 A (SYKES) 07 October 1997 (07/10/97), see entire document.	1-79		
A	US 5,704,298 A(CORPUZ, JR. ET AL) 06 January 1998 (06/01/98), see entire document.	1-79		
A	US 5,791,259 A (MANSFIELD ET AL) 11 August 1998 (11/08/98), see entire document.	1-79		
A	US 5,752,449 A (SIMON ET AL) 19 May 1998 (19/05/98), see entire document.	1-79		
A,P	US 5,899,025 A (CASEY ET AL) 04 May 1999 (04/05/99), see entire document.	1-79		
A, P	US 5,943,966 A (MACHADO ET AL) 31 August 1999 (31/08/99), see entire documtent.	1-79		
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